3.   (canceled)

4.   (currently amended) A method for determining a data rate for a digital data stream, the digital data stream comprising a plurality of pulses, each pulse having a width, the method comprising:

measuring the width of each pulse from the plurality of pulses;

determining a minimum pulse width by using the measured width of each pulse from the plurality of pulses; and

using the minimum pulse width to infer the data rate,

~~The method of claim 3~~

wherein the step of measuring the width of each pulse from the plurality of pulses comprises the substeps of:

causing a change of voltage across a capacitor for a duration of the pulse resulting in a voltage level of the capacitor for the pulse; and

measuring the voltage level of the capacitor.

5.   (original) The method of claim 4 wherein the step of determining the minimum pulse width ~~for~~ *by using the measured width of each pulse from* the plurality of pulses comprises the substep of:

determining a maximum voltage level for the plurality of pulses.

6.   (currently amended)   A method for determining a data rate for a digital data stream, the digital data stream comprising a plurality of pulses, each pulse having a width, the